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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Hey, et al.

Serial No.: 09/853,962

Confirmation No.: 6593

Filed:

May 10, 2001

For:

Method and Apparatus to Overcome Anomalies in Copper Seed Layers and to

Tune for Feature Size and

Aspect Ratio

Group Art Unit: 1775

Examiner:

Vivek D. Koppikar

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 **CERTIFICATE OF MAILING** 

37 CFR 1.8

I hereby certify that this correspondence is being deposited on مراكم بالمراكم , 2004 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Date

Signature

Dear Sir:

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants certify that all references submitted with this disclosure were first cited in a communication from a foreign patent office dated February 5, 2004, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/4582/BKH.

Respectfully submitted,

Brian K. Hrna

Registration No. 41,852

MOSER, PATTERSON & SHERIDAN, L.L.P.

3040 Post Oak Blvd. Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844

Facsimile: (713) 623-4846 Attorney for Applicant(s)

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Application Number	09/853,962	
Filing Date	MAY 10, 2001	
First Named Inventor	PETER HEY, ET AL.	
Group Art Unit	1775	
Examiner Name	VIVEK D. KOPPIKAR	
Attorney Docket Number	AMAT/4582/CMP/ECP/RKK	
Submission Date	March 24, 2004	フ

	U.S. PATENT DOCUMENTS				
	Cite		Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No. <sup>1</sup>	Number-Kind Code <sup>2 (ff known)</sup>		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	A1	US-4,898,647	02/06/1990	Luce, et al.	
	A2	US-5,516,414	05/14/1996	Glafenhein, et al.	
	A3	US-			
	A4	US-			
	A5	US-		,	
	A6	US-			
	A7	US-			
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	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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	B2					
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**Date Considered** Examiner

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Application Number	09/853,962
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Examiner Name	VIVEK D. KOPPIKAR
Attorney Docket Number	AMAT/4582/CMP/ECP/RKK
Submission Date	March 24, 2004

NON PATENT LITERATURE DOCUMENTS				
Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>		
C1	PCT Written Opinion for PCT US01/15200, dated 02/05/2004 (AMAT/4582.PC).			
C2	FREDERICK A. LOWENHEIM, "Electrical Relationships"; Electroplating, McGraw-Hill Book Company, Scientific Library, January 1979 pp. 12-13.			
	No. <sup>1</sup>	Cite No. 1 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published  C1 PCT Written Opinion for PCT US01/15200, dated 02/05/2004 (AMAT/4582.PC).  C2 FREDERICK A. LOWENHEIM, "Electrical Relationships"; Electroplating, McGraw-		

Examiner	Date Considered

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